

APRIL/MAY 2023

**CABT32 — BIOSTATISTICS AND
COMPUTER APPLICATIONS**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Biostatistics?
2. What are the ways of presenting data?
3. Define mean and mode.
4. Recall the significance of standard error.
5. Differentiate discrete and continuous series.
6. What is regression analysis?
7. List any two output device.
8. Differentiate hardware and software.
9. How to create graph in excel.
10. Recall any two uses of Ms excel.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions, Choosing either (a) or (b).

11. (a) Outline the scope of Biostatistics.

Or

- (b) How secondary data is collected?

12. (a) Calculate the standard deviation and error for the following data 22, 21, 25, 29, 28, 27.

Or

(b) Illustrate on the measures of central tendency.

13. (a) Identify the methods of correlation analysis.

Or

(b) Discuss the importance of students t test in research analysis.

14. (a) Briefly explain the languages of computer.

Or

(b) Illustrate the importance of binary numbers in computers.

15. (a) How data are aligned in Excel work book.

Or

(b) Explain the salient features of MS Excel.

SECTION C — (3 x 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the classification and tabulation of data.

17. Illustrate the use of Excel in measures of variation.

18. Discuss in detail about regression analysis and the equation.

19. Evaluate the parts of computer and its significance.

20. Formulate the steps involved in opening, entering and saving data in Excel work book.

